

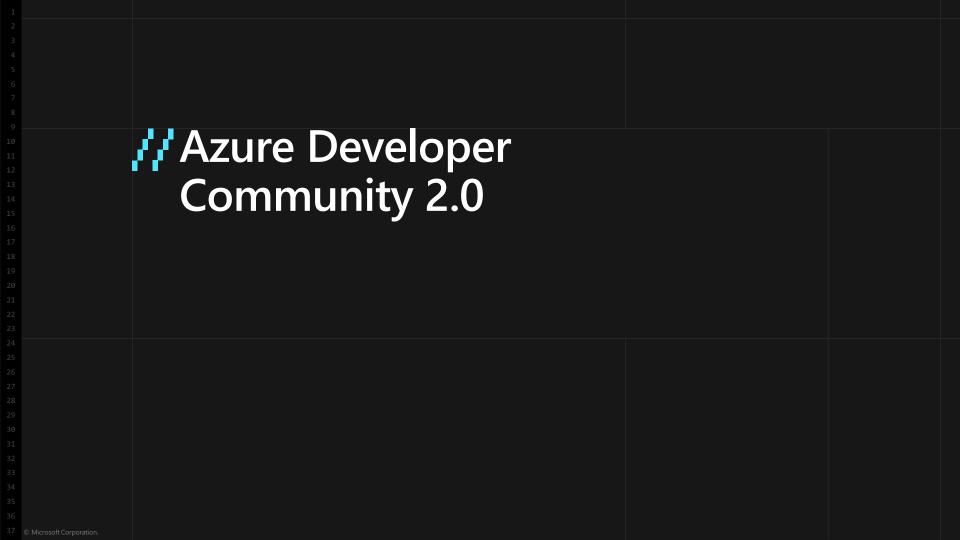
Contents

- Azure Developer Community 2.0
- Community News
- Service Updates & Announcements
- Java on Azure by Jörg Joss and Jeffrey Groneberg

Code of Conduct

- Microsoft's mission is to empower every person and every organization on the planet to achieve more. This includes at this event, where we seek to create a respectful, friendly, and inclusive experience for all participants. As such, we do not tolerate harassing or disrespectful behavior, messages, images, or interactions by any event participant, in any form, at any aspect of the program including business and social activities, regardless of location.
- We do not tolerate any behavior that is degrading to any gender, race, sexual orientation or disability, or any behavior that would violate Microsoft's Anti-Harassment and Anti-Discrimination Policy, Equal Employment Opportunity Policy, or Standards of Business Conduct. In short, the entire experience must meet our culture standards.
- We encourage everyone to assist in creating a welcoming and safe environment. Please report any concerns, harassing behavior, suspicious or disruptive activity directly to us.

 Microsoft reserves the right to refuse admittance to or remove any person from this and/or future events at any time in its sole discretion.



Formate

Die Azure Developer Community Calls gibt es in zwei verschiedenen Formaten, die immer im Wechsel stattfinden.



News & Hot Topics

Focus Topic, Azure Updates & Community News

Hol dir Updates zu aktuellen Azure-Ankündigungen, neuen Services und Community-Aktivitäten. Neben den wichtigsten News erhältst du in den News & Hot Topics-Sessions einen Deep Dive zu einem aktuellen Entwicklungs- oder Cloud-Thema.

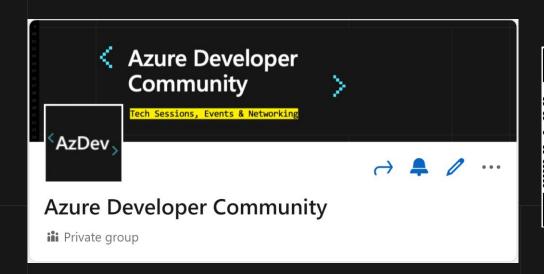


Ask Me Anything

Wir beantworten deine Fragen

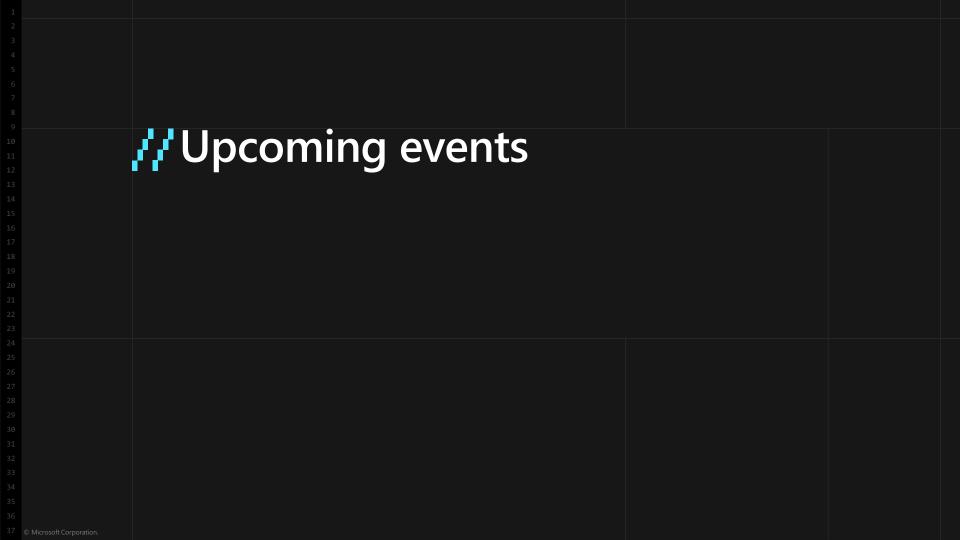
Du arbeitest an einem Azure-Projekt und brauchst einen Rat? Dann komm damit zu den Ask Me Anything-Sessions¹ des Azure Developer Community Calls. Unser Cloud-Native Experte und Host Dennis Zielke und ein Subject Matter Expert aus unserem Team beantworten dort Fragen zu einem Schwerpunktthema, geben dir Tipps und verraten Best Practices.

Join our LinkedIn Group

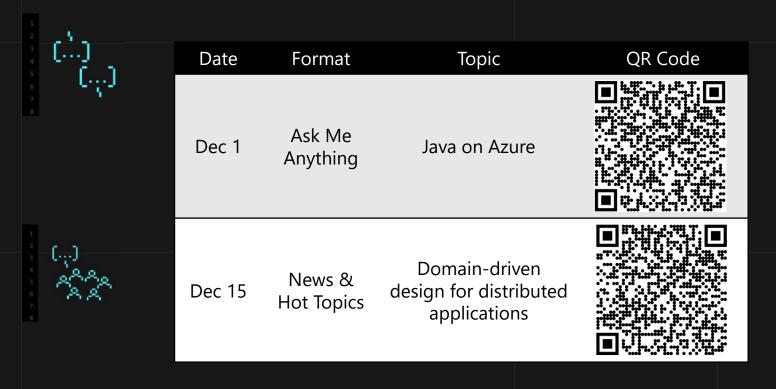




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Upcoming community calls



Learn more

Microsoft Reactor Popup Berlin



Data	Topic	OD Code
Date	Topic	QR Code
Nov 23	Grand Opening Cloud Native	
Dec 15	No focus topic	Available soon
Jan 19	.NET Conf	Available soon



aka.ms/azdevhub

Azure Adventure Day

In-person on **December 2** (Friday) 9.30 am – 5 pm

In our Microsoft office: Walter-Gropius-Str. 5 80809 Munich





Azure Developer Community Day 2022

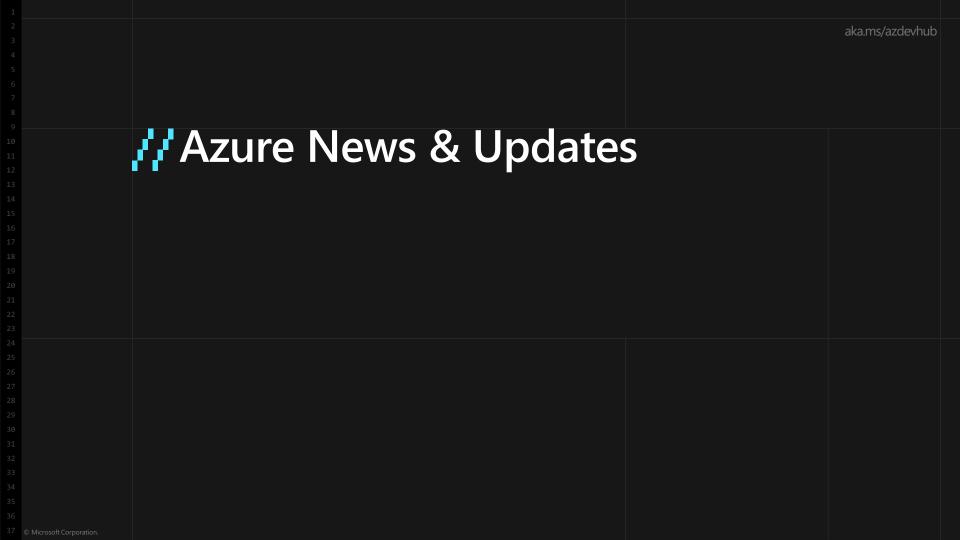
Hybrid on **December 13** (Tuesday)

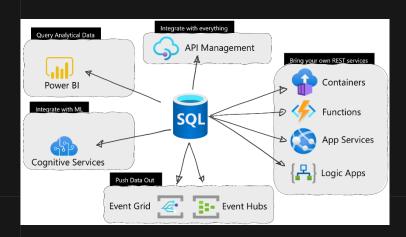
4 parallel tech tracks, 30+ speakers

In our Microsoft office: Walter-Gropius-Str. 5 80809 Munich



Registration opens Nov 19

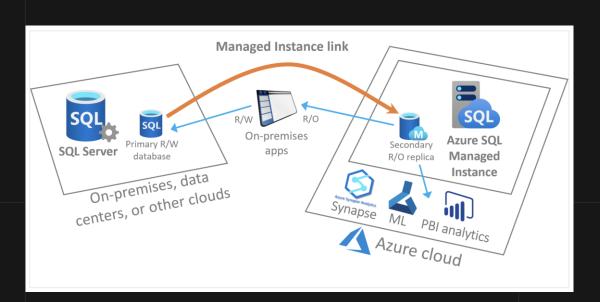




<u>Learn more</u>

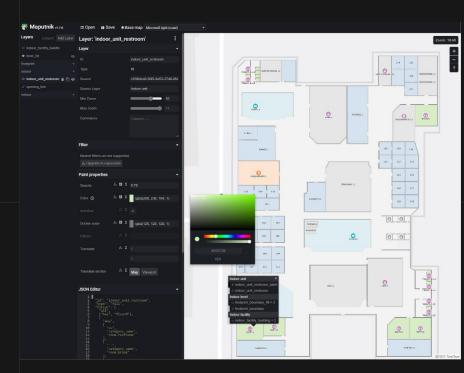
```
declare @ret as int, @response as nvarchar(max);
exec @ret = sp_invoke_external_rest_endpoint
          @method = 'GET',
          @url = 'https://my-function.azurewebsites.net/api/say?message=hello world',
          @response = @response output;
select @ret as ReturnCode, @response as Response;
```

SQL Managed Instance link feature (Preview)



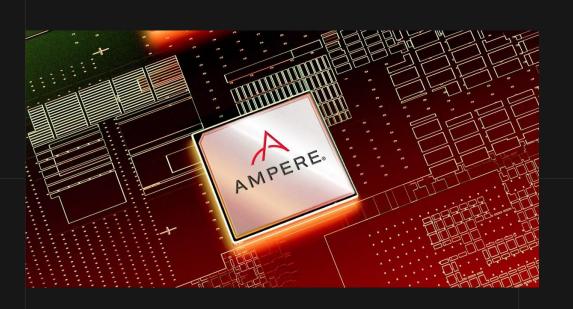
<u>Learn more</u>

Azure Maps Creator enables you to create Indoor Maps with GeoJSON



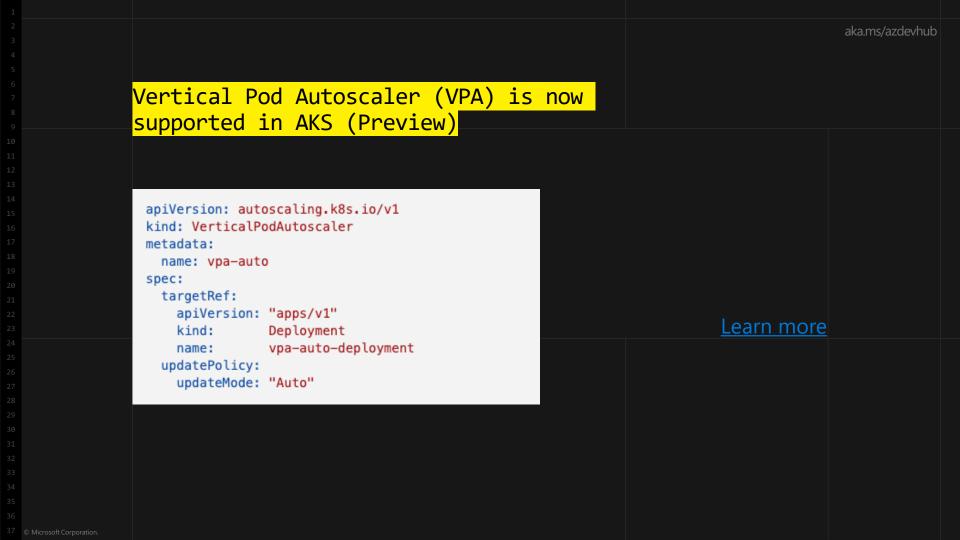
Learn more

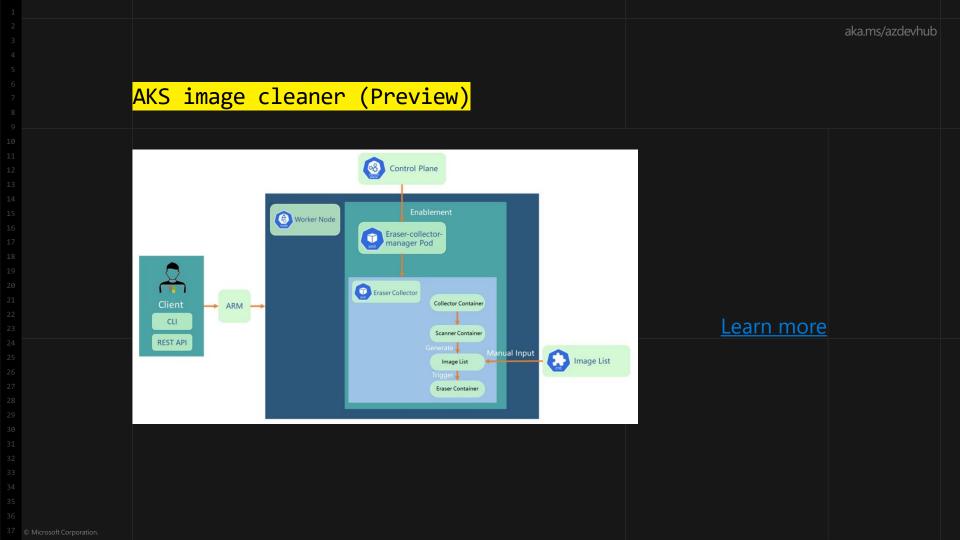
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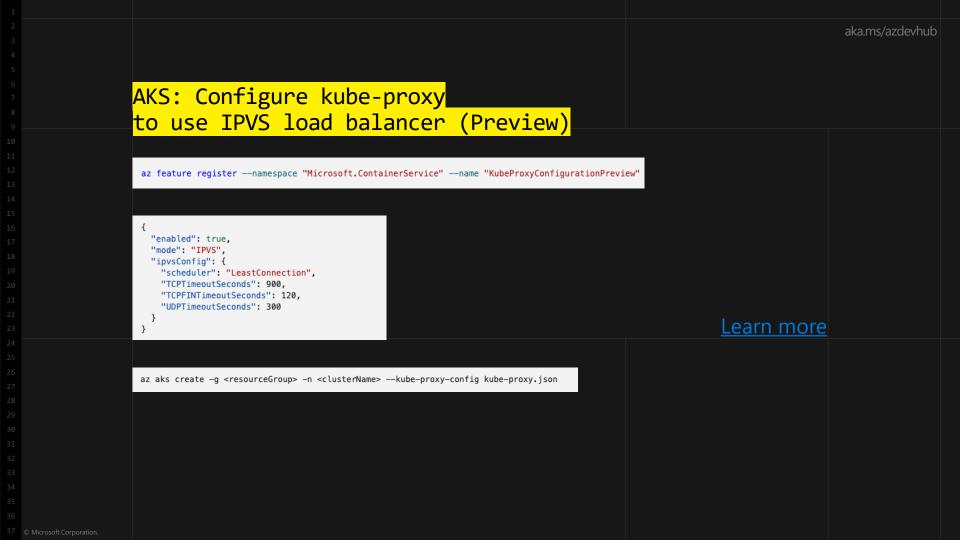


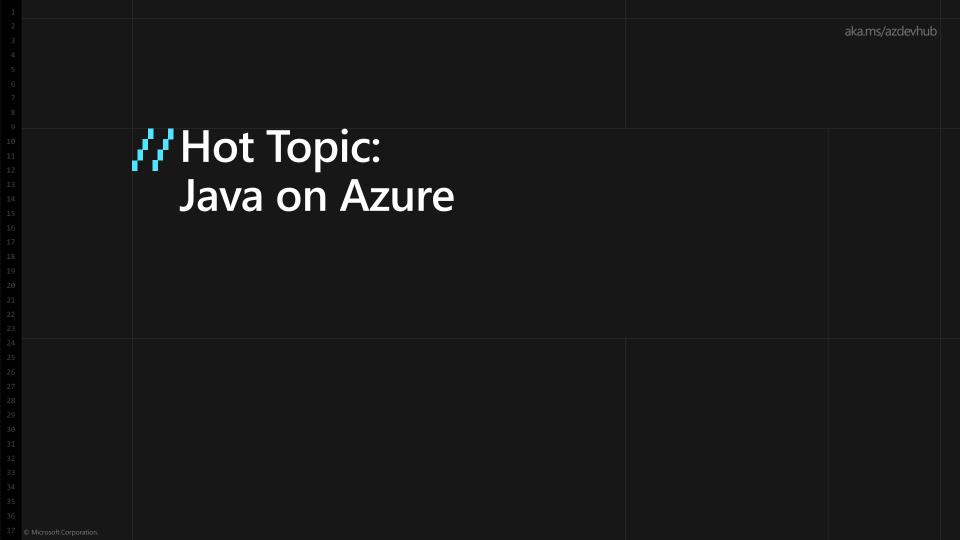
<u>Learn more</u>

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Java on Azure

Modernize or build new applications with tools and frameworks of your choice

Presented by Jörg Jooss (CSA) & Jeffrey Groneberg (CSA)

Agenda

Java on Azure

Modernize your Java applications

Ship faster and reduce costs with fully managed services

Resources

Java on Azure Home for enterprise Java applications











Morgan Stanley





































Strong partner ecosystem



Jointly built and operated service—Azure Spring Apps



Redis Enterprise on Azure managed infrastructure



Jointly supported JBoss EAP on App Service and VMs



Elastic Cloud on Azure Marketplace



Solution templates for WebLogic on Azure VMs and AKS



Confluent Cloud with Azure Portal and CLI integration



Solution templates for WebSphere on Azure VMs













Community engagement



Toolkit and plug-ins to improve Eclipse dev experience



3.6M+ Java repositories hosted, free support and resources for Java devs



Fixes, performance enhancements, and new ports



Java extensions for Maven, Run/Debug, Unit Testing, and more



Strategic member and project contributor







Support for popular Java standards and projects



Spring Apps for Azure project and managed service for Spring Boot

Java is widely used across Microsoft 2,000,000+ JVMs in production*



LinkedIn 1800+ Java microservices in production



Minecraft
Hundreds of servers built in Java
and very popular Java Edition



Azure Azure internal systems



Android
50+ apps published by
Microsoft in Google Play Store



YammerBack-end implemented in Java

Modernize your Java applications

Market context and customer benefits

Realize value by choosing Azure for your Java modernization

of developers use 5 or more tools in their development process*

Build on your terms with familiar tools

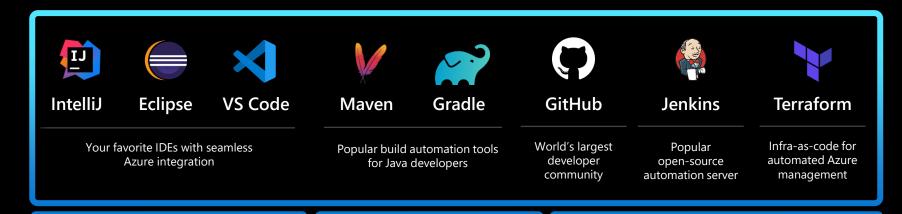
faster release cycles vs 10 years ago*

Ship faster & reduce costs with fully managed services

Increase reliability & security with services informed by insights gathered at cloud scale

Build on your terms

Use tools your developers and operators are familiar with



Use the Azure Toolkits for IntelliJ and Eclipse to easily create, develop, configure, test, and deploy highly available and scalable Java apps to Azure.

Use plugins for Maven and Gradle to natively build and interact with Azure services.

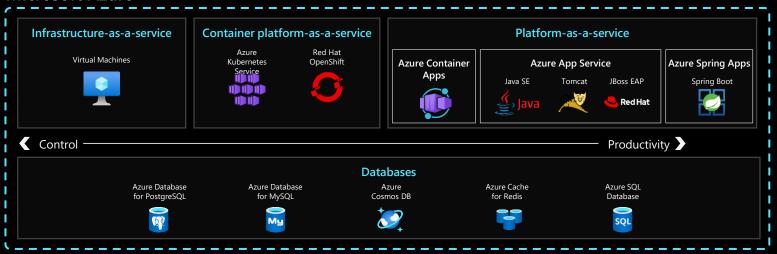
Automate your software workflows with GitHub Actions. Integrate GitHub with Jenkins and Terraform to automate Azure deployments.

Modernize Java applications on Azure

Frameworks



Microsoft Azure





Azure differentiation for Java applications



Fully managed offerings for any Java app – Spring Boot, Tomcat, and Java EE including JBoss EAP



90+ compliance certifications – more than other cloud provider



Supported offerings from VMware, Red Hat, Oracle, IBM, Redis, and Elastic



More regions than Amazon Web Services and Google Cloud Platform combined



Single sign-on across cloud and onpremises environments



>95% of Fortune 500 companies run on Azure

Ship faster and reduce costs with fully

managed services

Fully managed PaaS for Tomcat and JBoss EAP

Focus on the apps that run your business, not managing infrastructure



Deploy JAR, WAR or EAR using tools of your choice



Built-in CI/CD with zero downtime deployments



Intelligent troubleshooting and performance optimization



Automatic updates and security patches

App Service









Spring – trusted and growing

Spring is fantastic for developer productivity

When asked, 67% of managers, 66% of architects, and 50% of developers strongly agreed that they care deeply about developer productivity, and Spring delivers... 95% of respondents agreed that Spring Boot has a huge positive impact on productivity, and 91% agreed that, compared to other Java development platforms, Spring has a bigger impact.



95% of respondents say Spring Boot has a huge positive impact on productivity



91% say Spring has a bigger impact on developer productivity than other Java programs

Spring Boot downloads per month

Nov 2018 Nov 2019 Nov 2020 Nov 2021

52.5 Million+ 95 Million+ 152 Million+ 239 Million+





61% of developers surveyed use Spring Boot as their only or primary development program



Azure Spring Apps

Fully managed service for Spring Boot apps

Full integration into Azure's ecosystem and services



Fully managed infrastructure



Built-in app lifecycle management



Ease of monitoring

Enterprise ready

Jointly built, operated and supported by Microsoft and VMware





Spring Apps Azure

Spring Data

- SQL Database
- MYSOL
- PostgreSQL
- Maria DB
- Cosmos DB
- SQL
- MongoDB
- Cassandra

Spring Messaging

- Service Bus
- Event Hubs

Spring Cache

Redis Cache

Spring Security

- Active Directory
- AAD B2C

Spring Integration

- Service Bus
- Event Hubs
- Storage Queue

Zero Trust

- Key Vault Secrets
- Key Vault Certs

Micrometer

Monitor

Spring Apps

- App Configuration
- Event Hubs
- Kafka
- Service Bus
- Redis
- Functions

R2DBC

- SQL Database
- PostgreSQL
- MySQL

Spring Resource

- Blog Storage
- Azure Files

aka.ms/spring-cloud-azure



Azure Container Apps

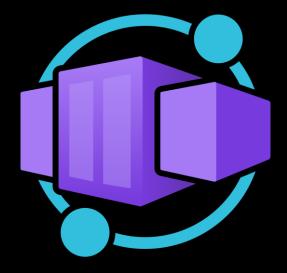
Serverless containers for microservices

Build modern apps on open source

Focus on apps, not infrastructure

Seamlessly port to Kubernetes





Modernize your Java applications using containers

Choose from a variety of tools, orchestrators, and platform services

Azure Container

Registry

Container PaaS Platform Development Tools IDEs Active Azure Security Key Policy Vault Directory Center Docker Azure Azure Red Hat Kubernetes OpenShift Service **Build Tools** Managed Service Azure Azure Monitor Advisor DBs Bus GitHub

Azure Container

Apps

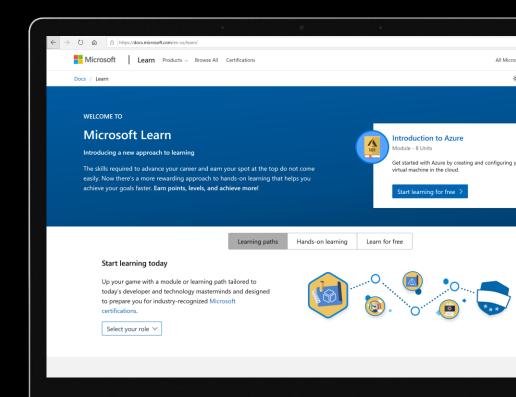
Azure Arc
Management across
environments

Microsoft Learn

Hundreds of learning paths, completely free

Step-by-step tutorials

Browser-based interactive coding environments



Java on Azure – Central Page



Get started on your Java modernization journey Resources for success



Microsoft Cloud Adoption Framework

Proven guidance to accelerate your cloud journey

Cloud Adoption Framework



Best practices and tutorials

Technical guidance and step by step tutorials

Java on Azure documentation center

Azure for Java quickstarts

Java to Azure migration strategies

Java developer tools for Azure



Learning resources

Learning resources to build cloud skills

Java on Azure learning paths and modules

Build with Azure Spring Apps

Automate Java container deployments

Build with Cosmos DB



Partners and Microsoft Programs

Professional expertise for your unique needs

Cloud native applications

App migration

Our picks



Repositories

Azure Spring Cloud – E2E app

https://github.com/Azure-Samples/azure-spring-cloud

Azure Spring Cloud samples

https://github.com/Azure-Samples/Azure-Spring-Cloud-Samples

Migrate an app to Azure Spring Cloud - Training

 $\frac{https://github.com/microsoft/migrate-spring-apps-to-azure-training/blob/master/README.md}{}$

Spring Petclinic on Azure

https://github.com/azure-samples/spring-petclinic-microservices

Animal Rescue app on Azure

https://github.com/Azure-Samples/animal-rescue





https://cdn.graph.office.net/prod/media/java/code-deploy-scale-java-your-way.pdf



https://cdn.graph.office.net/prod/media/java/how-microsoft-applies-java.pdf



Get started with Java on Azure https://learn.microsoft.com/enus/training/paths/get-started-java-azure/

Open**JDK**

Microsoft OpenJDK https://www.microsoft.com/openjdk

AMA – 1st December



Feel free to ask in advance:

https://github.com/Azure/dev-community/discussions/14

Thank you

